

QwikKart

An Online Shopping App

- Harshan R

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Introduction

- This e-commerce project is an online shopping platform that provides a seamless buying experience.
- It allows users to browse products, add them to the cart, and make secure payments.
- The system includes features like authentication, order tracking, and admin management.
- Sellers can manage their inventory, update products, and process orders efficiently.
- The goal is to create a user-friendly and secure e-commerce solution for both customers and sellers.

Features Overview

- 1.User Authentication** – Secure login and signup for customers, sellers, and admins.
- 2.Product Management** – Sellers can add, update, and remove products from their inventory.
- 3.Shopping Cart & Checkout** – Users can add products to the cart, review orders, and proceed with secure payments.
- 4.Order Tracking & History** – Customers can track their orders and view past purchases and users can cancel the orders easily.

Technology stack

1.Frontend: Angular (TypeScript, HTML, CSS)

2.Backend: Node.js

3.Database: Mongo DB

4.Authentication: LocalStorage-based login system

5.Styling: CSS (with potential use of Bootstrap or Material UI)

6.Routing & Navigation: Angular Router for seamless SPA experience

7.API Communication: HTTP Client module in Angular for API integration

Home/Product Page

- **Trending Products:**

Shows trending products in a visually appealing card layout.
Allows users to explore popular items easily.

- **Search Functionality:**

Includes a search bar for quick product discovery.
Filters results based on user input efficiently.

- **Navigation Bar:**

Provides easy access to Shop, Cart, Seller, and Customer sections.
Ensures smooth navigation across the platform.

QwikKart - An Online Shopping A

localhost:4200


QwikKart

Search for Products

Search

ShopCart [0]SellerCustomer

Trending Products




Iphone14

Price: \$ 1000

Black

View Details




Baby Car

Price: \$ 300

Pink

View Details




HP Desktop

Price: \$ 9500

Silver

View Details




Arduino Uno

Price: \$ 450

Blue

View Details




Steelbird Helmet

Price: \$ 900

Blue

View Details




Batman Figurine

Price: \$ 200

Black

View Details




Drawer

Price: \$ 1400

Brown

View Details



Richards Grindpro

Price: \$ 2000

Black

View Details

QwikKart - An Online Shopping A x

localhost:4200

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Samsung S22t

Price: \$ 6000

Silver

View Details




Puma Shoes

Price: \$ 2000

Red

View Details




Garud Hoodie

Price: \$ 800

White

View Details




Mac15

Price: \$ 8000

Grey

View Details




Luminous Inverter

Price: \$ 400

Blue

View Details




Locker

Price: \$ 4000

Black

View Details




Apple

Price: \$ 10

Red

View Details




Giày Adidas


Price: \$ 100000

Black


View Details




White Shoes



Black Shoes

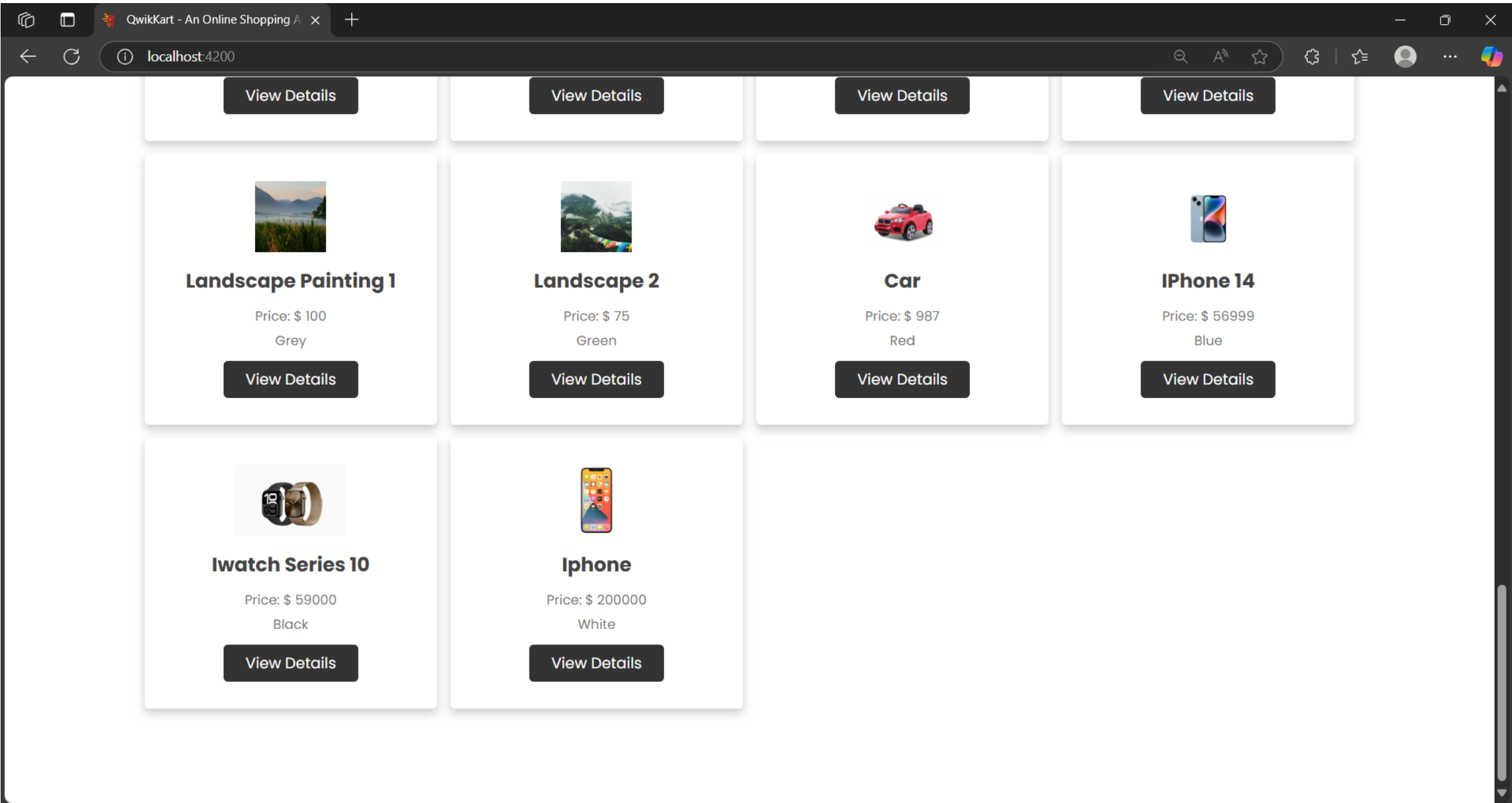


Gray Shoes Hot

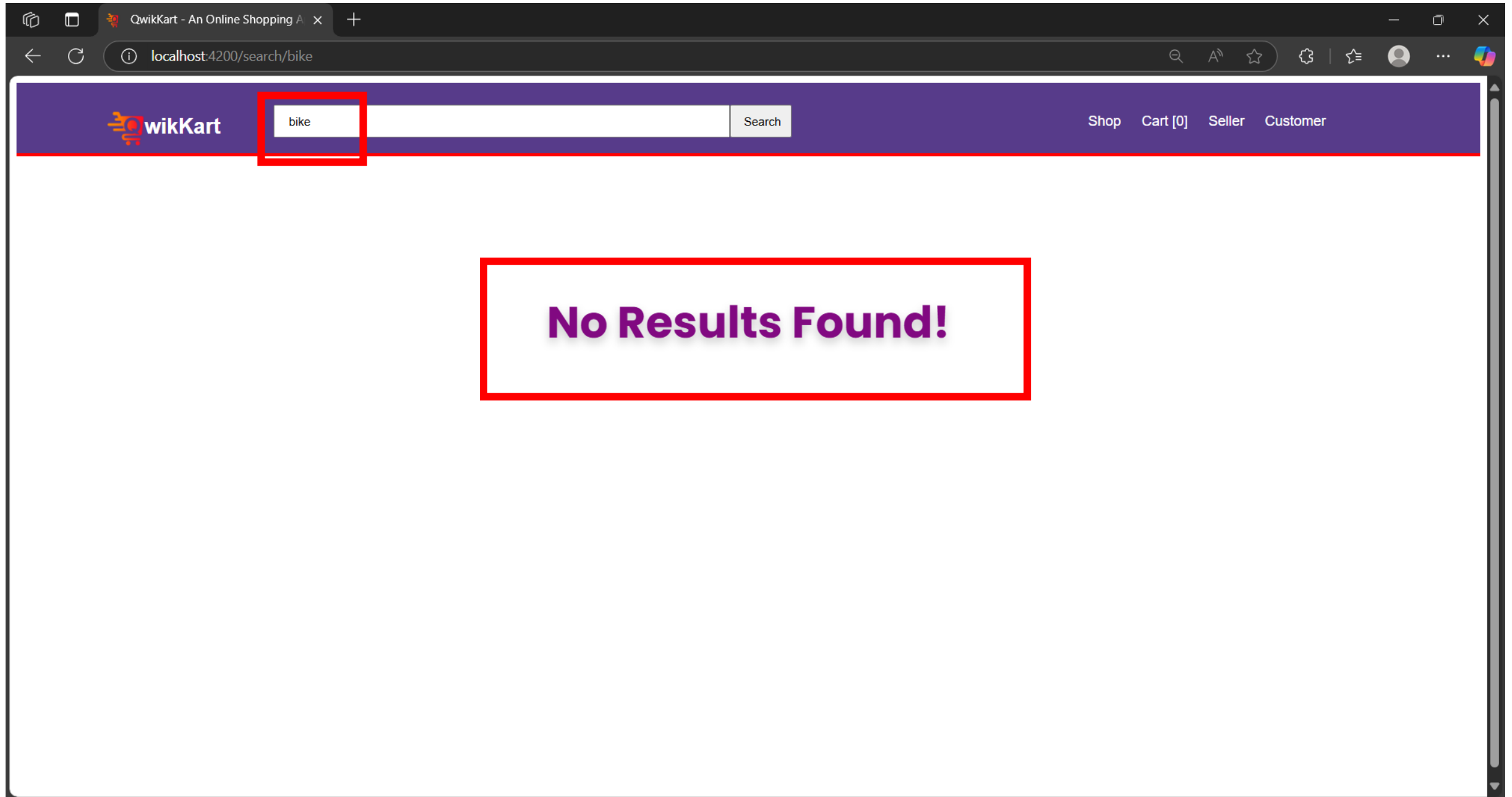


Pink Shoes

localhost:4200/product-details/65f6b4c242524e236089d277



Displays "No Results Found" if the searched product is unavailable.



Suggests random products while typing and shows "No Results Found" if unavailable.



A screenshot of a search interface on a purple background. A search bar with the placeholder text "Search for Products" is shown. To its right is a "Search" button. Below the search bar, a dropdown menu is open, displaying a list of product suggestions: "iphone14", "Baby Car", "HP Desktop", "Arduino Uno", and "Steelbird Helmet". A red rectangular box highlights the search bar and the dropdown menu. In the bottom right corner, the text "No Results Found" is displayed in a large, bold, purple font.

Search for Products

Search

iphone14

Baby Car

HP Desktop

Arduino Uno

Steelbird Helmet

No Results Found

Product Details Page

- **Product Information:**

Shows product name, image, price, and key specifications.

Helps users make informed purchasing decisions.

- **Quantity Selection:**

Users can adjust the quantity before adding the product to the cart.

Ensures flexibility in ordering multiple units.

- **Add to Cart & Buy Now Buttons:**

"Add to Cart" saves the product for later purchase.

"Buy Now" allows instant checkout for quick transactions.



Search for Products

Search

Shop

Cart [2]

Orders

Logout

Iphone14



Price: \$ 1000

Color:



Category: Electronics

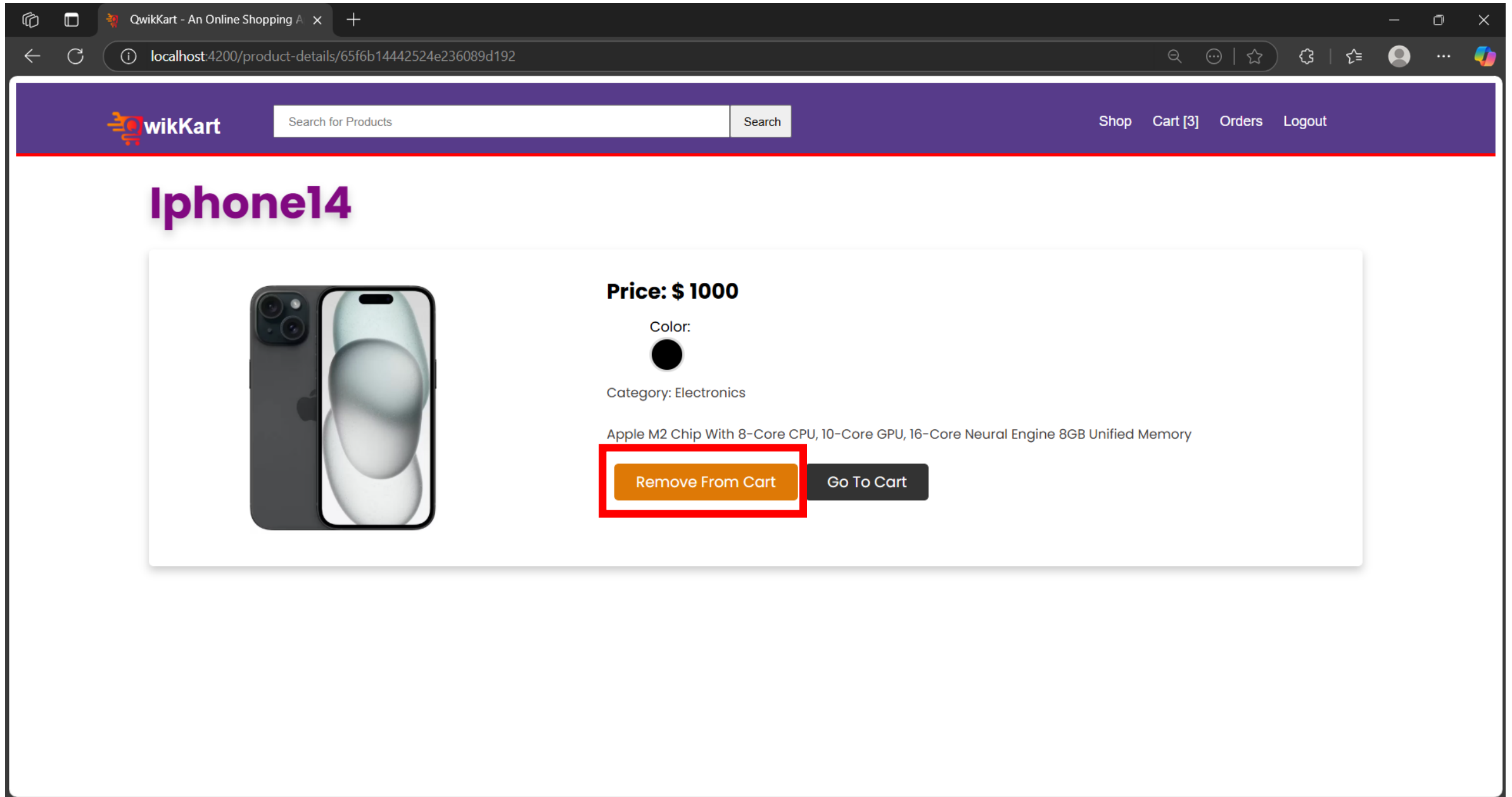
Apple M2 Chip With 8-Core CPU, 10-Core GPU, 16-Core Neural Engine 8GB Unified Memory

Add To Cart

Buy Now



Once added, the button changes to "Remove from Cart" for easy removal.



Cart Page

- **Product Details:**

Displays product image, name, quantity, and price in a structured layout.

Users can adjust quantity or remove items using the trash icon.

- **Shipping & Total Calculation:**

Shipping & Tax: A breakdown of additional charges applied.


Total Price: Sum of product cost + shipping & tax displayed prominently.

- **Checkout & Booking Confirmation:**

Checkout Button: Navigates to the checkout page to enter shipping details.

Confirm Booking: After selecting payment, the order is placed successfully.

Cart Page can be accessed only after the customer login.



Search

[Shop](#) [Cart \[2\]](#) [Orders](#) [Logout](#)

Cart

Image	Product	Qty	Price
	Steelbird Helmet	1 *	\$ 900 
	iphone14	1 *	\$ 1000 
Shipping & Tax			\$ 290
			\$ 2190

Checkout

Confirm Booking Page

- **Shipping Address Entry:**

Users input email, address, and phone number for delivery.

The Submit button saves the shipping details.

- **Payment & Order Confirmation**

Displays total amount with applied taxes and shipping.

Shows payment method (Pay on Delivery).

- **Finalizing the Order**

Clicking Submit confirms the booking and completes the purchase.

Users receive a confirmation message successful order and redirects to a My Orders page.

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localhost:4200/checkout

wikKart Search for Products Search Shop Cart [2] Orders Logout

Address And Payment

Add Shipping Address

harshan@gmail.com

123, chennai

9876543210

SUBMIT

Total Amount: \$ 2190

Payment Method: Pay On Delivery

After clicking **Submit**, a message appears "**Your order has been successfully placed!**"

123, chennai

9876543210

Payment Method: Pay On Delivery

Your Order Has Been Successfully Placed

My Orders Page

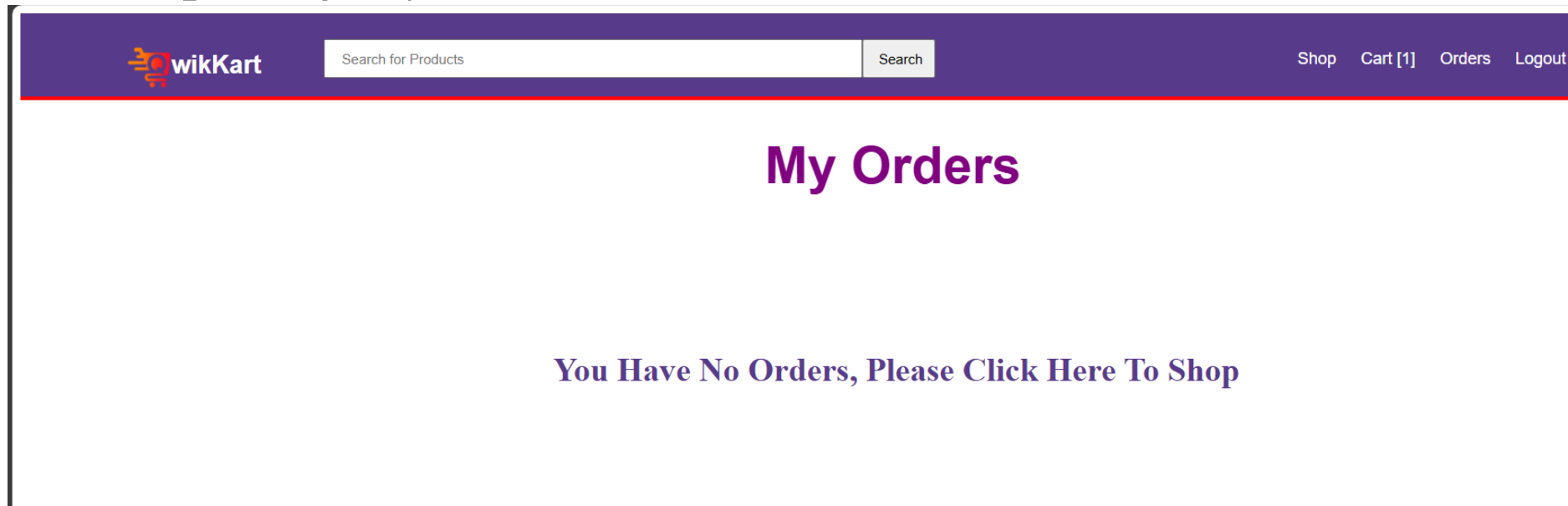
- **Order Summary:**

Displays all placed orders with Order ID, Price, and Payment Method.


- **Cancel Order Option:**

Users can cancel an order with a single click.

Before placing any orders






After placing orders



[Shop](#) [Cart \[0\]](#) [Orders](#) [Logout](#)

My Orders

Order	Order ID	Price	Payment Method	Action
	1fus26m8wpcf7e	\$ 2190	Cash on Delivery	<div>Cancel Order</div>
	1fus26m8wpdl8n	\$ 430	Cash on Delivery	<div>Cancel Order</div>
	1fus26m8wpejla	\$ 11650	Cash on Delivery	<div>Cancel Order</div>

To cancel the order

Customer Login/Signup Page

- **User Authentication:**

Allows users to log in with email and password or sign up if they are new.

- **Secure Login:**

Uses hashed passwords and email verification for security.

- **Signup Form:**

Includes fields for name, email, phone number, password, and confirm password.

- **Prevent Duplicate Signups:**

If a user is already registered, they cannot sign up again with the same email.

- **Prevent Duplicate Signups:**

If a user is already registered, they cannot sign up again with the same email.

- **Seamless Login Process:**

Registered users can log in directly with their email and password.

User Signup

User Sign up

User Name

Email

Password

Sign up

Email Taken

User Login

Duplicate
Signup

After signing up,
a message
appears: "Signup
successful! Please
log in to
continue."

User Login

User Sign up

User Login

Email

Password

Login

Email Taken

Header before user login

wikKart

Search for Products

Search

Shop Cart [0] Seller Customer

Header after user login

wikKart

Search for Products

Search

Shop Cart [1] Orders Logout

Seller Login/Signup Page

- **Seller Registration:**

Allows new sellers to create an account with their name and email.

- **Secure Login:**

Registered sellers can log in using their email and password.

- **Prevent Duplicate Signup:**

If an email is already registered, a message appears "This email taken“.

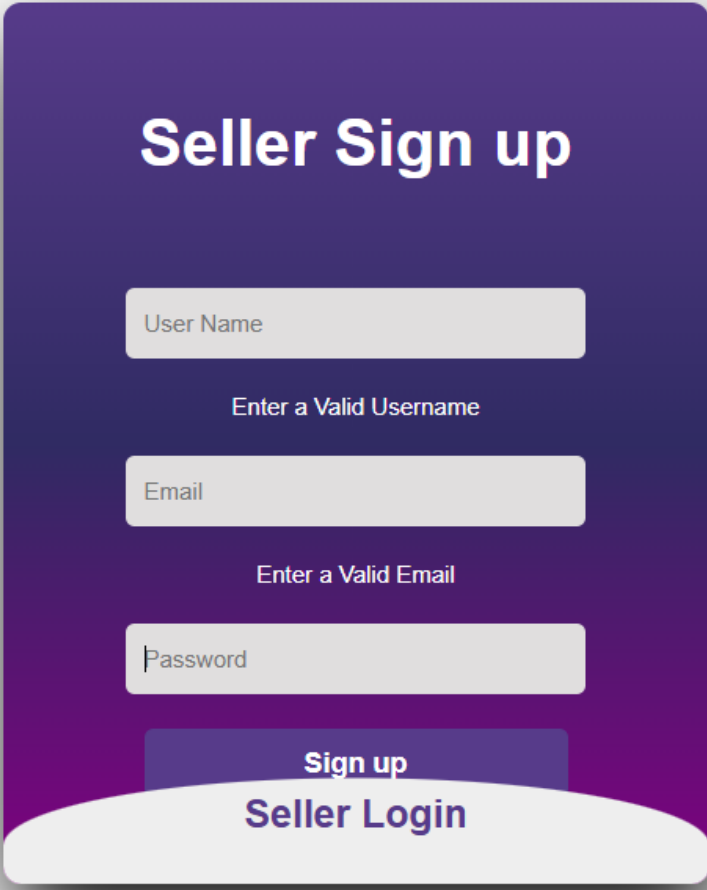
- **Redirect After Signup:**

After successful signup, sellers are directed to the login page.

- **Account Dashboard Access:**

Once logged in, sellers can access their dashboard to manage products by adding and removing item (api).

Seller Signup



Seller Sign up

User Name

Enter a Valid Username

Email

Enter a Valid Email

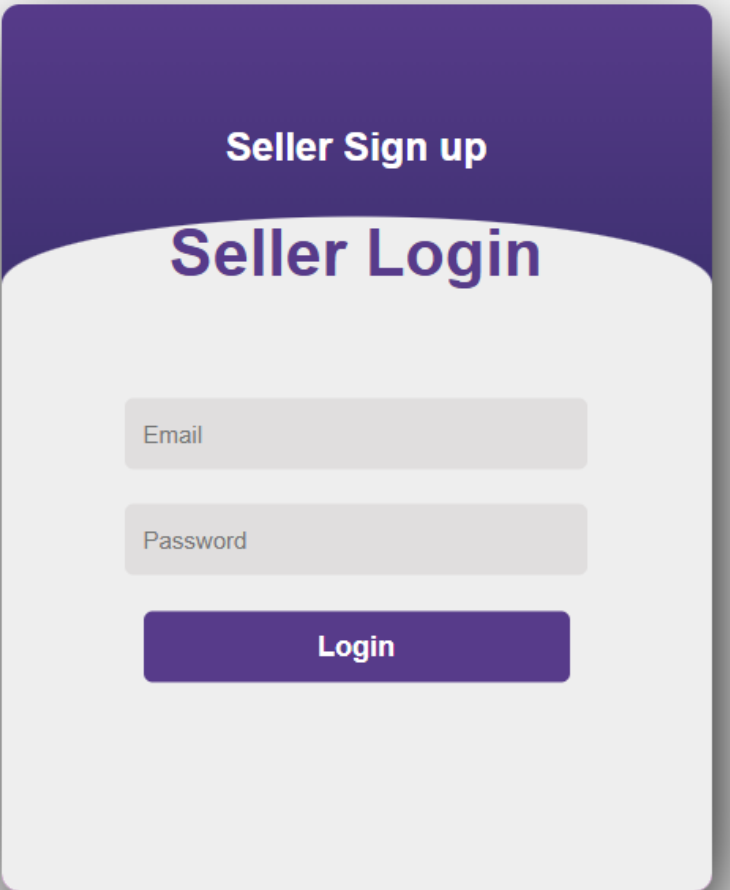
Password

Sign up

Seller Login

After signing up,
a message
appears: "Signup
successful! Please
log in to
continue."

Seller Login



Seller Sign up

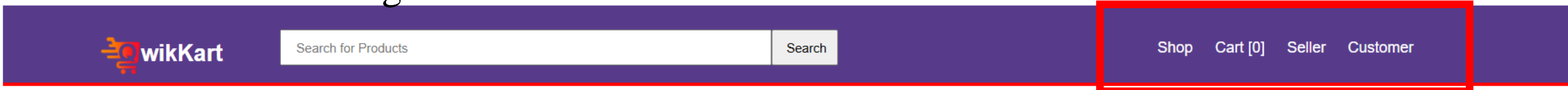
Seller Login

Email

Password

Login

Header before seller login



wikKart Search for Products Search

Shop Cart [0] Seller Customer

Header after seller login



wikKart

Products Add Logout

Add New Product - Seller's Dashboard

- The "Add New Product" page in QwikKart is designed for sellers to list new products on the platform.
- It provides a structured form where sellers can enter essential product details, including the product name, color, price, category, size, image URL, and description.
- This ensures that buyers receive complete and accurate information when browsing products.
- The user-friendly interface allows sellers to easily manage their inventory, update product details, and add new listings as needed.
- Once a product is submitted, it will ask to add the next product.
- The submitted product becomes available in the seller's dashboard for further management, including editing or removing listings.

Add New Product

Name

Apple 27" iMac

Color

Grey

Price

3500

Category

Laptop

Size

0

Image URL

<https://tse2.mm.bing.net/th?id=OIP.u64Zofedv-CTnb4cFflucgHaHa&pid=Api&P=0&h=>

Description

Color

Grey

Price

3500

Category

Laptop

Size

0

Image URL

<https://tse2.mm.bing.net/th?id=OIP.u64Zofedv-CTnb4cFflucgHaHa&pid=Api&P=0&h=>

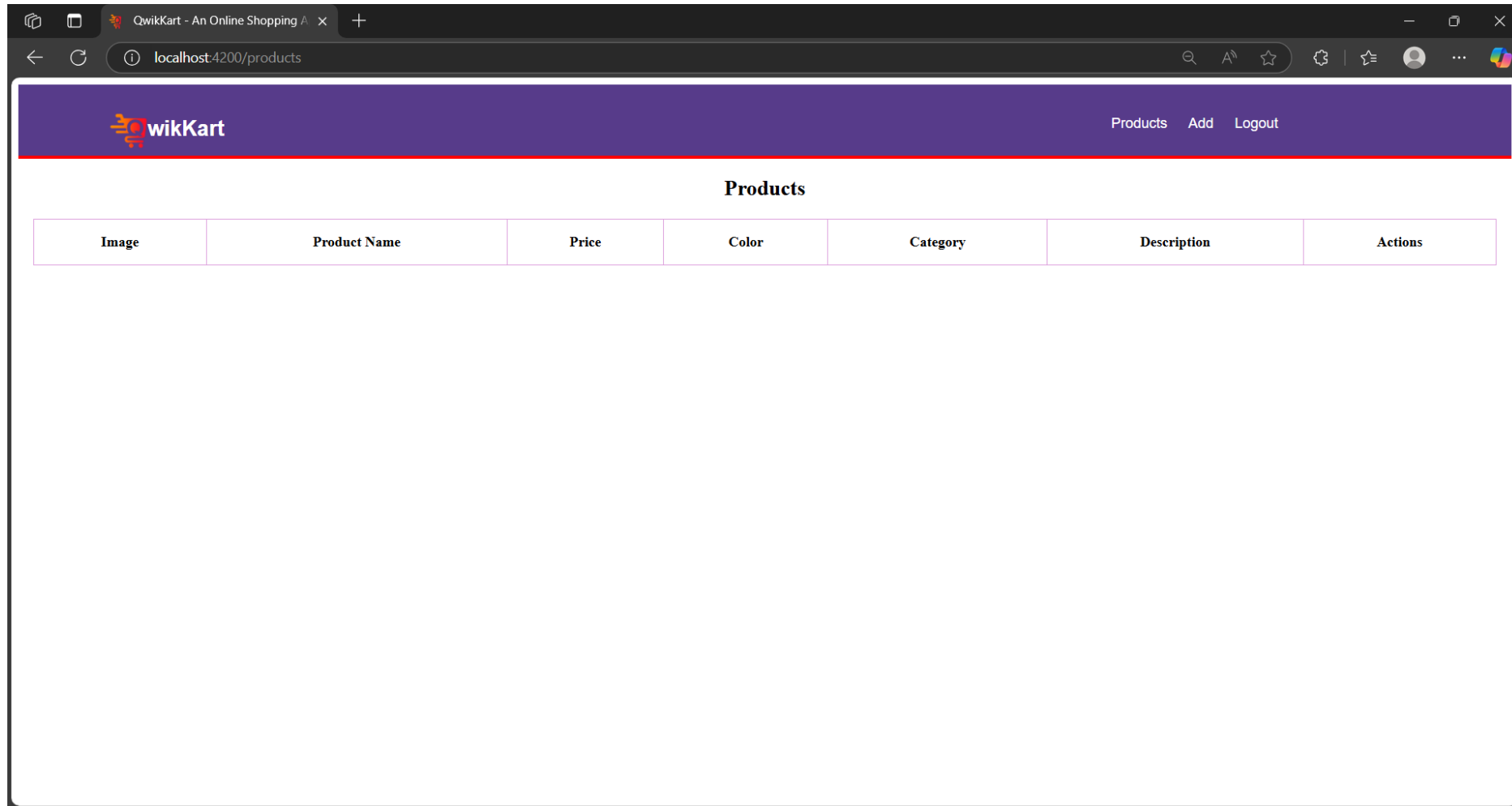
Description

Apple weds [high-res](#) 5K visuals into its sleek 27" iMac with Retina 5K Display (Early 2019). With a 5120 x 2880 screen resolution, this iMac provides one billion colors and 500 nits of brightness.


Submit

Product Page – Seller's Dashboard



Before adding products



After clicking Submit in Add Product Page, the product is displayed

ProductsAddLogout

Products


Image	Product Name	Price	Color	Category	Description	Actions
	Samsung S24 Ultra	\$ 1200	Grey	Mobile	Buy SAMSUNG S24 Ultra 5G online at best price with offers in India. SAMSUNG S24 Ultra 5G (Titanium Gray, 512 GB) features and specifications include 12 GB RAM, 512 GB ROM, 5000 mAh	
	Apple 27" iMac	\$ 3500	Grey	Laptop	Apple weds high-res 5K visuals into its sleek 27" iMac with Retina 5K Display (Early 2019). With a 5120 x 2880 screen resolution, this iMac provides one billion colors and 500 nits of brightness.	

Added and displayed in the list of products

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localhost:4200

View Details




Landscape Painting 1

Price: \$ 100

Grey

View Details




Landscape 2

Price: \$ 75

Green

View Details




Car

Price: \$ 987

Red

View Details




iPhone 14

Price: \$ 56999

Blue

View Details




Iwatch Series 10

Price: \$ 59000

Black

View Details




Iphone

Price: \$ 200000

White

View Details




Samsung S24 Ultra

Price: \$ 1200

Grey

View Details



Apple 27" iMac

Price: \$ 3500

Grey

View Details

API Integration

- When a seller adds a new product, the details (name, price, category, color, size, image, and description) are sent to the backend API.
- The API processes the request and stores the product information in the database (MongoDB).
- Once stored, the newly added product is retrieved dynamically and displayed in the seller's dashboard.
- The API also enables product updates, deletions, and real-time availability checks for better inventory management.
- This integration ensures a smooth, efficient, and scalable e-commerce experience for sellers and buyers.

API Page

Pretty-print ☒

```
[
  {
    "_id": "65f6b14442524e236089d192",
    "title": "iphone14",
    "slug": "iphone14",
    "price": 1000,
    "categories": "Electronics",
    "color": "Black",
    "image": "https://assets.sangeethamobiles.com/product_img/14511/1694715009_2Y4.jpg",
    "desc": "Apple M2 chip with 8-core CPU, 10-core GPU, 16-core Neural Engine 8GB unified memory",
    "size": "NA",
    "totalRatings": "0",
    "listedBy": "65f6b07242524e236089d168",
    "ratings": [],
    "createdAt": "2024-03-17T09:00:52.659Z",
    "updatedAt": "2024-03-17T09:00:52.659Z",
    "__v": 0
  },
  {
    "_id": "65f6b19c42524e236089d1ab",
    "title": "Baby Car",
    "slug": "baby-car",
    "price": 300,
    "categories": "Toys",
    "color": "Pink",
    "image": "https://m.media-amazon.com/images/I/61aQPIhEJSL._AC_UF1000,1000_QL80_.jpg",
    "desc": "This is a beautiful toy car for a baby",
    "size": "90",
    "totalRatings": "0",
    "listedBy": "65f6b07242524e236089d168",
    "ratings": [],
    "createdAt": "2024-03-17T09:02:20.751Z",
    "updatedAt": "2025-03-17T06:47:23.957Z",
    "__v": 0
  },
  {
    "_id": "65f6b1bc42524e236089d1ad",
    "title": "HP Desktop",
    "slug": "hp-desktop",
    "price": 9500,
    "categories": "Electronics",
    "color": "Silver",
    "image": "https://m.media-amazon.com/images/I/71CW7r7QcPL._SX679_.jpg",
    "desc": "(Refurbished) Dell Optiplex 3020 Desktop (Intel Core i3/8 GB RAM(Upgradable to 16GB) / 1TB HDD/ Windows 10 Pro, MS Office/USB, Ethernet,VGA,1",
    "size": "NA",
    "totalRatings": "0"
```

Code Structure

- **customer/, seller/, not-found/, etc.:** feature modules or components.
- **guards/:** Might contain route guards for authentication or authorization.
- **headers/:** Header component used in the layout.
- **models/:** Contains TypeScript interfaces or models.
- **services/:** Services for API calls and shared logic.
- **signup/:** Feature related to user registration.
- **app-routing.module.ts:** Defines the application's routes.
- **app.module.ts:** The root module where components and dependencies are declared.
- **app.component.files*:** The root component of the application.

```
src
├── app
│   ├── customer
│   ├── guards
│   ├── headers
│   ├── models
│   ├── not-found
│   ├── seller
│   ├── services
│   ├── signup
│   ├── app-routing.module.ts
│   ├── app.component.css
│   ├── app.component.html
│   ├── app.component.spec.ts
│   ├── app.component.ts
│   └── app.module.ts
├── assets
│   ├── .gitkeep
│   ├── qk_kart.png
│   ├── index.html
│   ├── main.ts
│   └── styles.css
```

Conclusion

- The QwikKart E-commerce Platform provides a seamless experience for both buyers and sellers, ensuring smooth product discovery, secure transactions, and efficient order management.
- The seller dashboard allows easy product listing and inventory management, while the buyer interface ensures a hassle-free shopping experience with features like cart management, order tracking, and secure checkout.
- With user authentication, real-time updates, and an intuitive UI, QwikKart enhances convenience, security, and efficiency in online shopping.
- Future improvements such as online payment integration, AI-based recommendations, and real-time order tracking will further enhance user experience.

Thank You